Description of TSAR directory structures   3/21/2000

There are two top level directories associated with TSAR. One, named /tsar-soft, is for storing all TSAR generalized routines (i.e. SAS code) that everyone can read and execute. The other, named /tsar-data, is for survey-specific data and processing code, which has constraints on who has access. The reason for restricting access to survey data is due to Department of Commerce mandates on security of unreleased data for economic indicator surveys.

The /tsar-soft directory as well as their subdirectories are accessible by all users on the machine. Write access, however, is restricted to users who are members of the UNIX group TSAR. The /tsar-soft directory is broken down into the following subdirectories:

benchmark - This directory stores the Fortran code for the original (SRD maintained) benchmarking program.

benchmark2 - This directory stores the Fortran code for the second (MCD maintained) benchmarking program. This program differs from the original benchmarking program in that it handles three-dimensional benchmarks, where the original only handles 2-dimensional benchmarks. This also includes corresponding 2- and 3-dimensional raking and rounding procedures.

catalogs - This directory contains SAS catalogs which contain all the code for the interactive part of TSAR. There is one catalog named prod that contains all the SAS Frames and background SCL. This directory contains other catalogs as well, but it appears none of their contents have ever been implemented.

formats - This directory contains a SAS format catalog for any TSAR specific formats, such as month names.

programs - This directory contains all the code that is normally executed via a bcf. All called macros as well as the program executables for X-12 and the benchmarking programs are stored in this directory.

shared - This directory was originally set up to be a central location where individual surveys could store their survey-specific TSAR-related code. It is broken down into subdirectories by survey. Since this was created, individual program directories were created under the /tsar-data directories for each survey.

The /tsar-data directory is broken down into subdirectories, such that each survey has its own subdirectory. Additionally each survey has its own UNIX group. Access to much of the data in the survey subdirectory is restricted to users who are members of the UNIX group particular to that specific survey. Users with membership to a survey-specific tsar unix group have full (read+write+execute) access to everything in that survey's subdirectory, but not to any surveys to which they are not group members. Any user may belong to many survey groups, since many branches maintain more than one survey under TSAR. Each survey has the ability to place data into a location that accessible to anyone with an account on the machine. Users without the survey group do not have any form of write access to any survey directories, but may have read access to certain areas. A description of each survey subdirectory and default accessibility are detailed below:

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analysis - This directory exists as a location for TSAR users to store any TSAR-related SAS datasets that they create for their own analysis purposes. This directory has to date been rarely if ever used by anyone. Access to this directory is restricted to users who are members of the survey group.

ascii - This directory is to store ASCII data files. These are typically inputs to and outputs from TSAR that come from or are input to other systems. Access to this directory is restricted to users who are members of the survey group.

benchmark - This directory is further broken down into two subdirectories:
>   **benchspecs** - This directory contains ASCII specification files that are used (and input into) the benchmark programs. There are no read restrictions on this directory.
>   **benchoutput** - This directory stores any ASCII outputs from the benchmarking program. There are no read restrictions on this directory.

control - This directory is to store all the bcf (batch control file) programs and parameter files that are part of the TSAR batch processing for the survey. It may also contain user-written ksh scripts. Access to this directory is restricted to users who are members of the survey group.

listings - This directory contains all formatted outputs from TSAR included printed reports. It may also contain ASCII data files that are sent to other agencies such as BEA. Access to this directory is restricted to users who are members of the survey group.

logs - This directory is a place to direct the logs from batch processing. This is not automatic. Users need to direct their logs to this directory in order for them to go here. There are no read restrictions on this directory.

programs - This is where users may store their own TSAR-related survey-specific SAS programs. There are no read restrictions on this directory.

public - This directory stores all the public time series for a survey. The survey managers can select which series get copied to this directory through setting the public series flag in the descriptor file. Nothing actually gets placed into this directory until a user "releases" the data either through the interactive menu or a call to the release macro. There are no read restrictions on this directory.

series - This directory is the where the actual time series are stored. Each time series is a separate dataset. This directory is also home to the descriptor file for the survey, which is also a SAS dataset and contains one record for each time series for the survey. Access to this directory is restricted to users who are members of the survey group.

X12 - This directory is further broken down into two subdirectories:
>   **x12specs** - This directory contains ASCII specification files that are used (and input into) the X-12 program. Access to this directory is restricted to users who are members of the survey group.
>   **x12output** - This directory stores any ASCII outputs from the X-12 program. Access to this directory is restricted to users who are members of the survey group.